

MEGA HEAT | POLYASPARTIC TOPCOAT

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION

Mega Heat is a two component polyaspartic topcoat with high gloss and excellent UV stability, to be strictly used in climates of excessive heat.

TYPICAL USES/APPLICATIONS

- Topcoat for full broadcast floors.

PRODUCT ADVANTAGES

- Extended work time
- Fast return to service
- High Solids
- Easy roller application

PACKAGING

25-Gallon kit
 Part A: 5-gallon pail (x3)
 Part B: 5-gallon pail (x2)

OPTIONAL COLOR TINT

Compatible with URX Color Tint

STORAGE

- Product should be stored indoors between 60° F to 85° F away from direct sunlight and moisture.
- Make sure containers are completely sealed to prevent moisture contamination and ensure best performance.
- Shelf life is 12 months.

RECOMMENDED APPLICATION TEMPERATURE

90°-110° F

COVERAGE

Over Broadcast Flake: 110-150 sq.ft./gal.

2nd Topcoat Over Sealed Surface:
 200 -230 sq.ft./gal. (7-8 mils)

TEST DATA

VOC (FULL KIT): 69 g/L

SOLIDS CONTENT (ASTM 2369): 94%

WEIGHT PER GALLON (ASTM D1475):
 Part A: 8.82 lbs/gal
 Part B: 9.59 lbs/gal

VISCOSITY (ASTM D7867):
 Part A: 1140 cps
 Part B: 1740 cps

TACK FREE TIME (ASTM D5895): 100F/50%
8 MILS 9 Hours

KÖNIG HARDNESS (ASTM D4366):
6 MILS Full Hardness: 123 Seconds

TABER ABRASION (ASTM D4060):
 CS-17 Wheels, 1000g load
 Loss 1000 Cycles: 89 mg/loss

GLOSS (ASTM D523):
 60°
 90 Units

UV RESISTANCE (ASTM G154)
340 nm Bulb, .89 Irradiance, 2064 hours 60°C
10 mils, clear over aromatic basecoat ΔE: <6

ALL TEST DATA COLLECTION AT 70° F UNLESS NOTED OTHERWISE.

MEGA HEAT | POLYASPARTIC TOPCOAT

TECHNICAL DATA SHEET

SURFACE PREPARATION

Product is intended for use as a topcoat over a previously broadcasted surface. Not intended for direct to concrete applications..

Surface must be free of dirt, grease, oil, and other contaminants. Contaminants could lead to surface defects such as craters and crawling in the coating. Make sure surface is properly prepared before application.

Thoroughly scrape and vacuum broadcast media before applying topcoat.

Ensure that the floor temperature is more than 5 degrees over the local dew point to avoid water condensation.

PRE-MIX REQUIREMENTS

Part A: Invert container 3 times prior to each use to ensure uniformity.

Part B: Not required.

MIX RATIO:

3:2 Mix ratio by volume (A:B)

MIX INSTRUCTIONS:

Carefully measure 3 parts A and 2 parts B by volume and blend together for 2-3 minutes with a drill mixer. Proceed to application immediately after mixing. Never mix more material than can be installed within 15 minutes.

APPLICATION (Full Broadcast Systems):

1. Reference training manual for appropriate coverage rates over various broadcast media.
2. Using the appropriate coverage rate, mix only the amount of material that can be installed within 15 minutes.
3. Spread material evenly with a squeegee and back roll with a pre-wetted roller. Use a chip brush to apply around the edges of the floor. 3/8" nap shed resistant 18" roller and 3-4" chip brush are recommended.
4. A second coat of Mega Heat may be applied within 24 hours without sanding. If recoating after 24 hours, the surface will need to be abraded with 60-80 grit sandpaper to promote adhesion.
5. Allow 48-72 hours before returning to area back to service.

Note: Traction grit maybe added for additional slip resistance, consult with Penntek Technical Support for best practices on dosage amounts.

PRODUCT AND APPLICATION SUPPORT

Contact the Penntek technical support line at (952) 491-0616 (call/text) for further information.

HELPFUL TIPS

- Topcoat begins with scraping.
- Work time is reduced once applied to the floor.
- Minimize how long containers are open to limit moisturize exposure. This will keep opened containers fresh for longer.
- Keep sand as dry as possible before use to avoid foaming.
- Keep squeegee and roller personnel close together.
- When pouring out new product, pour onto edge of previously applied coated surface.
- Work time is reduced under higher temperatures and humidity.

CHEMICAL RESISTANCE | 24-HOUR SPOT TESTING

CHEMICAL	24 Hr Rating	30 Min Rating
Acetic Acid 30%	1	2
Acetic Acid 5%	4	
Acetone	1	2
Ammonia 10%	4	
Battery Acid (Sulfuric Acid 37-40%)	3	4
Betadine Solution	4*	5
Brake Fluid	2	4
Citric Acid 20%	5	
Cleaner (Formula 409®)	4	
Cleaner (Pin-Sol®)	3	4
Cleaner 3% (Pin-Sol®)	4	
Coffee	4	
Cola	5	
Dish Soap (Dawn®)	4	
Dish Soap 1% (Dawn®)	4	
Ethylene Glycol/ Antifreeze	5	
Gasoline	1	2
Glass Cleaner (Windex®)	3	5
Glycerin	5	
Hand Sanitizer (Ethanol Based)	1	2
Household Bleach (undiluted)	4	
Hydrochloric Acid 20%	1	3
Hydrochloric Acid 5%	3	5
Ice Melt 20%	4	
Isopropyl Alcohol 99%	1	3
Ketchup	4	
Mineral Spirits	5	
Motor Oil (Conventional)	5	
Motor Oil (Synthetic)	5	
Mustard	4*	5
Phosphoric Acid 50%	2	5
Phosphoric Acid 10%	5	
RoundUp® Weed Killer	5	
Simple Green® All Purpose	5	
Sodium Hydroxide 5%	4	
Sodium Hydroxide 50%	5	
Skydrol LD-4®	1	3
Sugar Solution 20%	4	
Water	5	
Wind Shield Washer Fluid	3	3
Xylene	1	3

KEY:

1 = Moderate/severe damage, does not recover
 2 = Mild damage, does not recover
 3 = Light damage, partially recovers

4 = Light damage, fully recovers
 5 = No damage
 * = Staining